TEXAS A&M UNIVERSITY GAMMA PHI BETA SORORITY

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**Gamma Phi Beta Sorority** 

**Texas A&M University** 

Informational Meeting One-On-One Meetings Philanthropy Night Preference Night

September 15-17, 2003 Thursday, September 18, 2003 MSC 228 MSC 225 6:00p.m. & 8:00p.m.

(By Invitation) Friday, September 19, 2003

Please call Gamma Phi Beta at 979.680.5747 or email at tamugammaphi@aol.com

## **BEAT THE HELL OUTTA** VA. TECH

THURSDAY NIGHT

WATCH THE GAME ON 17 TV'S

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Monday, September 15, 2003

# NASA to crash Galileo pro

Impact with Jupiter will end 14-year mix

By Andrew Bridges THE ASSOCIATED PRESS

PASADENA, Calif. — NASA plans to crash its \$1.5 billion Galileo spacecraft into Jupiter next weekend to make sure it doesn't accidentally contaminate the planet's ice-covered moon Europa with bacteria from Earth.

After Galileo's orbit carries it behind Jupiter at 3:49 p.m. EDT Sunday, the aging probe will plunge into the planet's stormy atmosphere at a speed of nearly 108,000 mph. Its suicide dive comes at the end of its 35th orbit of the planet far longer than the 11 orbits the spacecraft originally was planned to complete.

The heat generated as it streaks through the atmosphere will vaporize the nearly 3,000-pound Galileo and the untold millions of microbial stowaways lurking since its 1989 launch.

The crash will ensure Galileo doesn't hit Europa and spill bacteria onto the ice that caps its enormous oceans.

Europa, a planet-sized moon, is widely believed to have the most promising habitat for extraterrestrial life within the solar system. Were Earth bugs to gain a toehold on Europa, perhaps in pools of water warmed by radioactive plutonium the spacecraft uses to generate electricity, they could compromise future attempts to probe the moon for indigenous life.

"It seems like a good place where, potentially, you can have life and it also seems like a place where Earth life would find it a nice place to live. So why hit it?" said John Rummel, planetary protection officer for the National Aeronautics and Space Administration.

NASA typically scrubs its spacecraft clean of microbes to prevent what it calls the "forward contamination" of other places in the solar system. That wasn't done with Galileo, which NASA originally intended to leave in orbit around Jupiter.

Years ago, however, the promise of Europa convinced NASA to err on the side of caution and plans were made to destroy Galileo, which now is nearly out of the propellant that would allow it to trim its course. The concern is that the gravitational tug of Jupiter could alter the orbit of the spacecraft and cause it to hit Europa or another moon.

The intentional crash will be the first since 1999, when NASA plowed the Lunar Prospector orbiter into the moon. In 1994, NASA crashed the Magellan orbiter into Venus. Satellites routinely crash to Earth, as NASA's Compton Gamma Ray Observatory did in 2000.

Recent research has revealed the tenacity of occasion.



microbial life and its ability to resist extremes of temperature and radiation. Even though Galileo has been buffeted by both, its shielded innards likely harbor viable microbes. "We in our infinite

wisdom thought nothing could survive in those harsh environments, but we are learning every day about things that can,' said Claudia Alexander, Galileo's seventh and likely last project manager NASA's

Propulsion Laboratory

programs just for you

The 14-year mission has been among most successful, despite a litany of g focus was to have been Jupiter itself, but et's quirky, diverse moons - including solar system's most volcanically active stole the spotlight.

NASA hopes to wring some scientifica ments from Galileo before its demise. When does come, 1,500 people associated with sion are expected to gather at the lab to a

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By Steph

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massage therapy personal training instructional classes rec walkers marathon trail EVERYTHING YOU NEED TO KNOW ABOUT RECREATION recsports tarn Experience it All WITH TAMU OUTP **GET MOVING WITH REC FITNESS** 

FACULTY/STAFF MEMBERSHIPS—Now has never been a better time to check out Rec Center memberships. Rec Sports makes living a healthier life even easier with bank draft options for membership and locker payments.

STUDENT REC CENTER SERVICES

ADULT AND PEDIATRIC CPR—Register at the Member Services Desk for classes that begin as early as September 17th and run through the entire Fall semester. \$25/\$35

#### AQUATICS-GOING DOWN . . .

Registration NOW-Sept. 29 Basic SCUBA \$225/\$245 Become certified to dive anywhere in the world. Join today at Member Services. NOW-Oct. 13 \$25/\$35 Springboard Diving Polar Bear Club All semester

### DRIVE ON-TEXAS A&M GOLF COURSE

 NEW Full Length Driving Range—Come by and enjoy one of the Golf Course's newest additions, the full length driving range. Buy a bucket of balls and practice your swing, warm up before a round of 18 holes or just work up a sweat on a warm and balmy Texas night.

• Lessons with the Pro—On your own, with a partner or in a group-the Golf Course Pro will get your game on track. Open to the public! We are located on the south side of the A&M campus. Call the Pro Shop at 845-1723 & visit us online at http://recsports.tamu.edu.

 UNLIMITED Aerobics Passes—On sale now at Member Services! \$60 for an Unlimited Rec Aerobics Pass or \$20 for a 10 pass Fitness Coupon Book.

 REC WALKERS—New program for the Fall. Join Fitness and Personal Training Staff each lunch hour for a brisk walk around campus. To learn more, attend the information meeting September 15 at 12:15 p.m. in room 281 Rec Center or visit the Rec Sports web site at

http://recsports.tamu.edu. Marathon Training Program—This 16 week program is geared to the novice and fitness enthusiast that wants to train for the HP Marathon in Houston. Attend the information meeting Monday, September 22 at 6:00 p.m. in room 281 Rec Center. Program limited to the first 75 people signed up.

#### FALL IMs, YOU DON'T WANT TO MISS IT!

The following IM sports **OPEN** for registration on Sept. 15th: \$5/person COREC SOFTBALL \$45/team

The following IM sports <u>CLOSE</u> registration on Sept. 16th: Penberthy Preseason Flag Football \$10/te \$10/team Flag Football \$45/team Badminton FREE

MAKE \$ \$ \$ the IM Way!
We need IM Officials: CoRec Softball Orientation Clinic 7:00 p.m. September 15 281 Rec Center

Registration **Upcoming Events** Climbing Technique Clinic Rock Climb 101 Clinic at event Sept. 1-17 Kayak Roll Clinic Sept. 1-22 Sept. 1-23 Fly Fishing Day Trip Back Country Cooking Sept. 1-30 Lead Climbing Clinic Rock Climb Enchanted Rock Sept. 1–30

BREAK TRIPS Horsepacking Big Bend Ski Colorado Costa Rica Adventure

Sept. 1-Dec. Sept. 1-Dec. 12 March El Cap Club

Sign-ups for the El Cap Club begin September 8th. miss out on this new team challenge at the Wall.

Climbing at the Rock Wall Want to renew your skills check or take an orientation Come by the Rock Wall Mondays through Thursdays of

FREE One Time Climbs

September 16 from 3:30-6:00 p.m. September 17 from 6:30-9:30 p.m. September 18 from 3:30-9:30 p.m.

Join the Rock Wall staff for three days of FREE one climbs. Learning to climb or renewing your love for never been easier or cheaper!

recsports.tamu.edu